

ABSTRACT

Provided is an EGR cooler which can solve the problem of the vibrated tubes without causing thermal deformation due to stagnation of the coolant water, without complexity of piping in the coolant water system and without increase in pressure loss.

The EGR cooler comprises tubes 3 and a shell surrounding the tubes 3, the coolant water being supplied and discharged to and from the shell 1 and being passed through the respective tubes 3 so as to make heat exchange of the exhaust gas with the coolant water. In the shell 1, an intermediate support plate 13 with a plurality of through-holes 14 is arranged and mutually adjacent ones of the tubes 3 are grouped for penetratingly fixture to the through-hole 14. A coolant water passage 15 is ensured between the tubes 3 grouped and penetratingly fixed to the same through-hole 14 of the intermediate support plate 13 for free communication between the tubes 3.